

WHAT IS CLAIMED IS:

1. A disaster recovery method of recovering a process at a data center when a failure occurs at another data center during execution of the process, comprising steps of:

transmitting data at a first data center normally used to a second data center at a predetermined time interval and forming a backup of the received data at said second data center;

when a failure occurs at said first data center, selecting an information processing apparatus whose necessary recovery time including a time taken to input data still not backed up satisfies a predetermined requested recovery time, from information processing apparatuses in said second data center; and

deploying an application used at said first data center in said selected information apparatus and recovering the data at said first data center from said backup at said selected information processing apparatus.

2. A disaster recovery method according to claim 1, wherein:

said second data center calculates a first data amount obtained by multiplying the number of data generation frequencies representative of how many times the data at said first data center is generated per unit time, by said predetermined time interval of forming said backup; and

a time taken to input data of said first data amount into said second data center is used as the time taken to input said data still not backed up.

3. A disaster recovery method according to claim 1, wherein an end user of the application designates an allowable time taken to resume processing the application, and the allowable time is set as said predetermined requested recovery time.

4. A disaster recovery method according to claim 1, wherein said predetermined time interval of forming said backup is adjusted so that said necessary recovery time satisfies said predetermined requested time.

5. A disaster recovery method according to claim 1, wherein if there are a plurality of end users, the information processing apparatus in said second data center is selected in the order of a higher priority level of the application or the end user.

6. A disaster recovery method according to claim 1, wherein if there is an application for which the information processing apparatus in said second data center was not selected, another data center is inquired about whether the other data center can recover the data.

7. A disaster recovery system for recovering a process at a data center when a failure occurs at another data center during execution of the process, comprising:

a backup forming unit for transmitting data

at a first data center normally used by an end user to a second data center at a predetermined time interval and forming a backup of the received data at said second data center;

an information processing apparatus selecting unit for, when a failure occurs at said first data center, selecting an information processing apparatus whose necessary recovery time including a time taken to input data still not backed up satisfies a predetermined requested recovery time, from information processing apparatuses in said second data center; and

a recovery unit for deploying an application used at said first data center in said selected information apparatus and recovering the data at said first data center from said backup at said selected information processing apparatus.

8. A disaster recovery system according to claim 7, wherein said information processing apparatus selecting unit receives an allowable time taken to resume processing the application designated by an end user of the application, and sets the allowable time as said predetermined requested recovery time.

9. A disaster recovery system according to claim 7, wherein said backup forming unit adjusts said predetermined time interval of forming said backup so that said necessary recovery time satisfies said predetermined requested time.

10. A disaster recovery system according to claim

7, wherein if there are a plurality of end users, said information processing apparatus selecting unit selects the information processing apparatus in said second data center in the order of a higher priority level of the application or the end user.

11. A disaster recovery system according to claim 7, wherein if there is an application for which the information processing apparatus in said second data center was not selected, said information processing selecting unit inquires another data center about whether the other data center can recover the data.

12. A storage medium storing a program for making computers function as a disaster recovery system for recovering a process at a data center when a failure occurs at another data center during execution of the process, wherein the computers are made to function as:

a backup forming unit for transmitting data at a first data center normally used by an end user to a second data center at a predetermined time interval and forming a backup of the received data at said second data center;

an information processing apparatus selecting unit for, when a failure occurs at said first data center, selecting an information processing apparatus whose necessary recovery time including a time taken to input data still not backed up satisfies a predetermined requested recovery time, from information processing apparatuses in said second data center; and

- 25 -

a recovery unit for deploying an application used at said first data center in said selected information apparatus and recovering the data at said first data center from said backup at said selected information processing apparatus.